Docket No.: 09879-00036 (AGR-2002/M-221)

Application No.: Not Yet Assigned

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A compound of the formula (I) or salt thereof

in which the radical and the indices have the following definitions:

X is O, $S(O)_n$, N-H or N-R²;

L is a straight-chain or branched (C_1 - C_6)-alkylene, (C_2 - C_6)-alkenylene or (C_2 - C_6)alkynylene chain substituted by w radicals from the group consisting of halogen, cyano, and nitro and by v radicals R^2 ;

Y is oxygen or sulfur;

R^{1a}, R^{1b}, R^{1c} independently are each hydrogen, mercapto, nitro, halogen, cyano, thiocyanato,

 $(C_1-C_6)-alkyl-CO-O, \ (C_1-C_6)-alkyl-S(O)_n-O, \ (C_1-C_6)-alkyl-S(O)_m, \ (C_1-C_6)-haloalkyl-S(O)_m, \ (C_3-C_7)-cycloalkyl-S(O)_m, \ di-(C_1-C_6)-alkyl-N-SO_2, \ (C_1-C_6)-alkyl-SO_2-NH, \ (C_1-C_6)-alkyl-NH-CO, \ di-(C_1-C_6)-alkyl-N-CO, \ (C_1-C_6)-alkyl-SO_2-[(C_1-C_6)-alkyl]amino, \ (C_1-C_6)-alkyl-CO-[(C_1-C_6)-alkyl]amino, \ (C_1-C_6)-alkyl-O-CH_2, \ (C_1-C_6)-alkyl-S(O)_n-CH_2, \ (C_1-C_6)-alkyl-NH-CH_2, \ 1,2,4-triazol-1-yl, \ 1,2,4-triazol-1-yl-CH_2, \ (C_1-C_6)-alkyl-NH-CH_2, \ (C_1-$

or are each (C_1-C_6) -alkyl- $(Y)_p$, (C_2-C_6) -alkenyl- $(Y)_p$, (C_2-C_6) -alkynyl- $(Y)_p$,

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 (C_3-C_9) -cycloalkyl- $(Y)_p$, (C_3-C_9) -cycloalkenyl- $(Y)_p$, (C_1-C_6) -alkyl- (C_3-C_9) -cycloalkyl- $(Y)_p$ or (C_1-C_6) -alkyl- (C_3-C_9) -cycloalkenyl- $(Y)_p$ each of which is substituted by v radicals from the group consisting of cyano, nitro and halogen;

 R^2 , R^3 independently are each hydrogen, $(C_1\text{-}C_6)$ -alkyl, $(C_2\text{-}C_6)$ -alkenyl, $(C_2\text{-}C_6)$ -alkynyl, $(C_3\text{-}C_9)$ -cycloalkyl, $(C_3\text{-}C_9)$ -cycloalkyl, $(C_1\text{-}C_6)$ -alkyl- $(C_3\text{-}C_9)$ -cycloalkyl, $(C_2\text{-}C_6)$ -alkenyl- $(C_3\text{-}C_9)$ -cycloalkyl, $(C_2\text{-}C_6)$ -alkenyl- $(C_3\text{-}C_9)$ -cycloalkenyl, $(C_2\text{-}C_6)$ -alkynyl- $(C_3\text{-}C_9)$ -cycloalkyl, $(C_2\text{-}C_6)$ -alkynyl- $(C_3\text{-}C_9)$ -cycloalkenyl, straight-chain or branched $[O\text{-}C(R^6)_2]_w\text{-}[O\text{-}C(R^6)_2]_x\text{-}R^6$, $(C_1\text{-}C_6)$ -alkyl-aryl, $(C_2\text{-}C_6)$ -alkynyl-aryl, straight-chain or branched $[O\text{-}C(R^6)_2]_w\text{-}[O\text{-}C(R^6)_2]_x\text{-}aryl$, the last 16 of the abovementioned radicals being substituted by v radicals from the group consisting of cyano, nitro and halogen,

or are each aryl, heterocyclyl or heteroaryl each substituted by v radicals consisting of the group of cyano, nitro, halogen, (C_1-C_6) -alkyl- $(Y)_p$ and halo- (C_1-C_6) -alkyl- $(Y)_p$, or

 R^2 and R^3 together with the nitrogen atom linking them form a 5- or 6-membered saturated, partly unsaturated or fully unsaturated ring which contains n heteroatoms from the group consisting of oxygen and nitrogen and is substituted by v radicals from the group consisting of cyano, nitro, halogen, (C_1-C_6) -alkyl- $(Y)_p$, and halo- (C_1-C_6) -alkyl- $(Y)_p$,

or

 R^2 and R^3 together with the nitrogen atom linking them form a ring from the group consisting of benzothiazole, benzoxazole, benzopyrazole and benzopyrrole which is substituted by v radicals from the group consisting of cyano, nitro, halogen, (C_1-C_6) -alkyl $(Y)_0$, and halo- (C_1-C_6) -alkyl $(Y)_0$;

 R^4 is hydrogen, (C_1-C_6) -alkyl or (C_1-C_6) -haloalkyl, (C_3-C_9) -cycloalkyl or (C_3-C_9) -halocycloalkyl;

is (C_1-C_6) -alkyl, halo- (C_1-C_6) -alkyl, (C_3-C_9) -cycloalkyl, (C_3-C_9) -halo-cycloalkyl, or is phenyl substituted by v radicals from the group consisting of halogen, nitro, cyano, (C_1-C_4) -alkyl, halo- (C_1-C_4) -alkyl, (C_1-C_4) -alkoxy and halo- (C_1-C_4) -alkoxy;

 R^6 is hydrogen, (C_1-C_6) -alkyl, halo- (C_1-C_6) -alkyl, (C_1-C_6) -alkylcarbonyl, halo- (C_1-C_6) -alkylcarbonyl, (C_1-C_6) -alkoxycarbonyl, halo- (C_1-C_6) -alkoxycarbonyl, (C_1-C_6) -alkylaminocarbonyl, (C_1-C_6) -alkylaminocarbonyl, halo- (C_1-C_6) -alkylaminocarbonyl, halo- (C_1-C_6) -alkylaminocarbonyl, halo- (C_1-C_6) -alkylaminocarbonyl, or is benzyl, benzoyl, benzoylmethyl, phenoxycarbonyl or phenylsulfonyl each of which is substituted by v radicals from the group consisting of halogen, nitro, cyano, (C_1-C_4) -alkyl, halo- (C_1-C_4) -alkyl, (C_1-C_4) -alkoxy and halo- (C_1-C_4) -alkoxy;

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m is 1 or 2;
n is 0, 1 or 2;
p is 0 or 1;
v is 0, 1, 2 or 3;
w and x independently are each 0,1, 2, 3 or 4;
w and x should not both be zero at the same time.
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Claim 2 (original): A compound as claimed in claim 1, wherein R^2 , R^3 independently are each hydrogen, (C_1-C_6) -alkyl, (C_2-C_6) -alkenyl, (C_2-C_6) -alkynyl, (C_3-C_9) -cycloalkyl, (C_3-C_9) -cycloalkyl, (C_1-C_6) -alkyl- (C_3-C_9) -cycloalkyl, (C_1-C_6) -alkyl- (C_3-C_9) -cycloalkenyl, (C_2-C_6) -alkenyl- (C_3-C_9) -cycloalkyl, (C_2-C_6) -alkynyl- (C_3-C_9) -cycloalkenyl, (C_2-C_6) -alkynyl- (C_3-C_9) -cycloalkenyl, straight-chain or branched $[O-C(R^6)_2]_w$ - $[O-C(R^6)_2]_x$ - $[O-C(R^6)_2]_x$ - $[O-C(R^6)_2]_x$ -aryl, the last 16 of the abovementioned radicals being substituted by the radicals consisting of cyano, nitro, and halogen, aryl substituted by v radicals from the group consisting of cyano, nitro, halogen, (C_1-C_6) -alkyl- $(C_1-C_$

or

 R^2 and R^3 together with the nitrogen atom linking them form a 5- or 6-membered saturated, partly unsaturated or fully unsaturated ring which contains n heteroatoms from the group consisting of oxygen and nitrogen and is substituted by v radicals from the group consisting of cyano, nitro, halogen, (C_1-C_6) -alkyl- $(Y)_p$, and halo- (C_1-C_6) -alkyl- $(Y)_p$,

or

 R^2 and R^3 together with the hydrogen atom linking them form a ring from the group consisting of benzothiazole, benzoxazole, benzopyrazole and benzopyrrole which is substituted by v radicals from the group consisting of cyano, nitro, halogen, (C_1-C_6) -alkyl- $(Y)_0$ and halo- (C_1-C_6) -alkyl- $(Y)_0$.

Claim 3 (original): A compound as claimed in claim 1, wherein Y is oxygen and R^{1c} is hydrogen.

Claim 4 (original): A compound as claimed in claim 1, wherein X is O or S(O)_n;

R^{1a}, R^{1b} independently are each F, Cl, Br, CH₃, CH₃S, CH₃O, CH₃SO₂, C₂H₅SO₂, CF₃CH₂SO₂, cyclopropyl-SO₂, CF₃ or NO₂;

 R^2 , R^3 independently are each hydrogen, $(C_1\text{-}C_6)$ -alkyl, $(C_2\text{-}C_6)$ -alkenyl, $(C_2\text{-}C_6)$ -alkynyl, $(C_3\text{-}C_9)$ -cycloalkyl, $(C_1\text{-}C_6)$ -alkyl- $(C_3\text{-}C_9)$ -cycloalkyl, the last 5 radicals being substituted by v radicals from the group consisting of cyano, nitro, and halogen, or are aryl or $(C_1\text{-}C_6)$ -alkyl-aryl, the last 2 radicals being substituted by v radicals from the group consisting of cyano, nitro, halogen, $(C_1\text{-}C_6)$ -alkyl- $(Y)_p$ and halo- $(C_1\text{-}C_6)$ -alkyl- $(Y)_p$, or R^2 and R^3 together with the nitrogen atom linking them form a 5- or 6-membered saturated, partly unsaturated or fully unsaturated ring which contains n heteroatoms from the group consisting of oxygen and nitrogen and is substituted by v radicals from the group consisting of cyano, nitro, halogen, $(C_1\text{-}C_6)$ -alkyl- $(Y)_p$, and halo- $(C_1\text{-}C_6)$ -alkyl- $(Y)_p$,

or

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 R^2 and R^3 together with the nitrogen atom linking them form a ring from the group consisting of benzothiazole, benzoxazole, benzopyrazole and benzoypyrrole which is substituted by v radicals from the group consisting of cyano, nitro, halogen, (C_1-C_6) -alkyl- $(Y)_p$ and halo (C_1-C_6) -alkyl- $(Y)_p$.

Claim 5 (original): A compound as claimed in claim 1, wherein X is oxygen.

Claim 6 (original): A compound as claimed in claim 1, wherein R^2 , R^3 independently are each hydrogen or (C₁-C₆)-alkyl, or

R² and R³ together with the nitrogen atom linking them form a ring from the group consisting of morpholine, pyrrolidine, piperidine, pyrrole, pyrazole and 2,3-dihydroindole; R⁴ is hydrogen, methyl or cyclopropyl.

Claim 7 (original): A compound as claimed in claim 1, wherein R^6 is hydrogen, (C_1-C_6) -alkyl, (C_1-C_6) -alkylcarbonyl, (C_1-C_6) -alkylsulfonyl, or is benzoyl or phenylsulfonyl each of which is substituted by v radicals from the group consisting of halogen, nitro, cyano, (C_1-C_4) -alkyl, halo- (C_1-C_4) -alkyl, (C_1-C_4) -alkoxy and halo- (C_1-C_4) -alkoxy.

Claim 8 (original): A compound as claimed in claim 1, wherein L is CH_2 , $C(CH_3)H$ or CH_2CH_2 ; R^{1a} , R^{1b} independently are each CI, Br, NO_2 , CH_3 , CH_3SO_2 or $C_2H_5SO_2$; R^2 , R^3 are each hydrogen or (C_1-C_6) -alkyl; is methyl or ethyl.

Claim 9 (original): A herbicidal composition comprising a herbicidally effective amount of at least one compound of the general formula (I) as claimed in claim 1.

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Claim 10 (original): A herbicidal composition as claimed in claim 9 in a mixture with formulating auxiliaries.

Claim 11 (currently amended): A method of controlling unwanted plants, which comprises applying an effective amount of at least one compound of the general formula (I) as claimed in claim 1 or of a herbicidal composition as claimed in claim 9 or 10 to the plants or to the site of the unwanted plant growth.

Claim 12 (canceled).

Claim 13 (currently amended): The [[use]] method as claimed in claim [[12]] 11, wherein the unwanted plants are compound of the general formula (I) is used to control unwanted plants in crops of useful plants.

Claim 14 (currently amended): The [[use]] method as claimed in claim 13, wherein the useful plants are transgenic.

Claim 15 (new): A method of controlling unwanted plants, which comprises applying the herbicidal composition as claimed in claim 9 to the plants or to the site of the unwanted plant growth.

Claim 16 (new): A method of controlling unwanted plants, which comprises applying the herbicidal composition as claimed in claim 10 to the plants or to the site of the unwanted plant growth.